	Application No.	Applicant(s)	
	09/912,589	BOUR ET AL.	
Notice of Allowability	Examiner	Art Unit	_
	Wai-Sing Louie	2814	
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED i) or other appropriate comm (IGHTS. This application is:	n this application. If not included unication will be mailed in due course. THIS	re
1. This communication is responsive to 12/7/04.			
2. The allowed claim(s) is/are <u>9-13,15-17,25-29 and 31-33.</u>			
3. \boxtimes The drawings filed on <u>24 July 2001</u> are accepted by the E	xaminer.		
4.	e been received. e been received in Application of the communication to file MENT of this application. Initted. Note the attached EX tes reason(s) why the oath of the submitted. Son's Patent Drawing Reviews Amendment / Comment of the header according to 37 Closit of BIOLOGICAL MAT	on No d in this national stage application from the e a reply complying with the requirements AMINER'S AMENDMENT or NOTICE OF r declaration is deficient. W (PTO-948) attached r in the Office action of the drawings in the front (not the back) of FR 1.121(d). ERIAL must be submitted. Note the	
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. Interview S Paper No. 08), 7. Examiner's	nformal Patent Application (PTO-152) ummary (PTO-413), /Mail Date Amendment/Comment Statement of Reasons for Allowance	

DETAILED ACTION

The 37 C.F.R. 1.131 Declaration has overcome the Goetz et al. reference and the non-

final rejection of previous office action is withdrawn. Claims 9-13, 15-17, 25-29, and 31-33 are

allowed.

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or

additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR

1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the

payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with

Rachel Leiterman on 2/15/05.

The application has been amended as follows:

In the claims

Cancel claims 18-24.

Allowable Subject Matter

The following is an examiner's statement of reasons for allowance:

The claimed invention is a method of forming a light-emitting device, the method

comprising:

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 Forming a first semiconductor layer of a first conductivity type and having a first surface;

- Forming an active region over the first semiconductor layer, the active region including at least two quantum well layers separated by a barrier layer, where the quantum well layer and the barrier layer is graded layer formed from a III-Nitride semiconductor alloy In_xAl_yGa_{1-x-y}N where 0≤x≤1, 0≤y≤1, x+y≤1, the graded layer having a composition graded in a direction substantially perpendicular to the first surface of the first semiconductor layer;
- Forming a third semiconductor layer of a second conductivity type over the active region.

The prior art of record does not disclose or suggest either in singly or in combination the following limitations and other elements in the claims:

- Reference Jewell et al. (US 5,960,018) do not disclose a III-Nitride semiconductor alloy $In_xAl_yGa_{1-x-y}N$ where $0 \le x \le 1$, $0 \le y \le 1$, $x+y \le 1$.
- Reference Tadatomo et al. (US 5,810,925) do not disclose the quantum well layer
 and the barrier layer is graded composition in a direction substantially
 perpendicular to the first surface of the first semiconductor layer.

Therefore, the above references do not disclose the claimed invention of present application and claims 9-13, 15-17, 25-29, and 31-33 are allowed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

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fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for

Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Wai-Sing Louie whose telephone number is (571) 272-1709. The examiner can normally be reached on 7:30 AM to 4:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wael Fahmy can be reached on (571) 272-1705. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Wsl February 15, 2005.

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